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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/813,827	03/22/2001	Hiroshi Hamasaki	204404US-2RD	3081
22850	7590 07/15/2002			
OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC			EXAMINER	
	SON DAVIS HIGHWAY		ROSE, KIESHA L	
ARLINGTON, VA 22202			ART UNIT	PAPER NUMBER
			2822	
			DATE MAILED: 07/15/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

(A)

Office Action Summary Examiner Art Unit Examiner Art Unit						
Examiner Kesha L. Rose 2822		Application No.	Applicant(s)			
Search Communication appears on the cover sheet with the correspondence address -	Office Action Summany					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address = Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CFR 1-136(a), ian oavent, however, may a reply be timely fleed to the common of the co	Office Action Summary					
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1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)						
	Attachment(s)					
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:	1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P				

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DETAILED ACTION

This Office Action is in response to the amendment filed 26 April 2002.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 1-22 are indefinite because they are referring to a second conductive type third semiconductor layer formed on the surface of the first semiconductor layer, where third semiconductor layer surrounds each of the second semiconductor layers with first semiconductor layer there between. It is unclear how the structure of the light-receiving device will be formed when the third semiconductor layer is formed on the surface of the first semiconductor layer and surrounds the plurality of second semiconductor layers that are formed in the first semiconductor layer. The limitations are unclear and therefore do not clearly distinguish the invention.

Response to Arguments

Applicant's arguments filed 26 April 2002 have been fully considered but they are not persuasive. Claims 1-22 disclose a first semiconductor layer, a plurality of a second

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semiconductor layer and a third layer that surround the second layers. The claims disclose layers whereas the specification discloses regions therefore the limitations are inconsistent with the claims and specifications. On the surface the limitations appear to be regions but are claimed layers. Although the terms of a claim may appear to be definite, inconsistency with the specification disclosure or prior art teachings may make an otherwise definite claim take on an unreasonable degree of uncertainty. In re Cohn, 438 F.2d 989, 169 USPQ 95 (CCPA 1971); In re Hammack, 427 F.2d 1378, 166 USPQ 204 (CCPA 1970). In Cohn, the claim was directed to a process of treating a surface with a corroding solution until the metallic appearance is supplanted by an "opaque" appearance. Noting that no claim may be read apart from and independent of the supporting disclosure on which it is based, the court found that the description, definitions and examples set forth in the specification relating to the appearance of the surface after treatment were inherently inconsistent and rendered the claim indefinite. (MPEP 2173.03)

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later

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than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiesha L. Rose whose telephone number is 703-605-

4212. The examiner can normally be reached on M-F 8:30-6:00 off 1st Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr. can be reached on 703-308-4940. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

KLR

July 9, 2002

CARL WHITEHEAD, JR.

SUPERVISORY PATENT EXAMINET

TECHNOLOGY CENTER 2800